

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	"3697203"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 06:48
L2	13	("0696926"   "0917944"   "1611172"   "1943637"   "2714372").PN. OR ("3697203").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 06:52
L3	14154	(pair near3 rotor\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 06:52
L4	18308	(pair near3 rotor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 06:52
L5	1118	(pair near3 rotor\$1) and (valve\$1 near5 rotor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 06:53
L6	226	(pair near3 rotor\$1) and (valve\$1 near5 rotor\$1) and ((spark near3 plug\$1) or ignit\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 06:57
L7	196	(pair near3 rotor\$1) and (valve\$1 near5 rotor\$1) and ((spark near3 plug\$1) or ignit\$3) and (inner or interior or internal) and (outer or external or exterior)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 07:50
L8	15	("0729399"   "0793390"   "2118253"   "2437653"   "3181512"   "5640938").PN. OR ("5937820").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 07:09

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L9	114	(valve\$1 near5 rotor\$1) and ((spark near3 plug\$1) or ignit\$3) and ((inner or interior or internal) near (rotor\$1 or cylinder\$1)) and ((outer or external or exterior) near (rotor\$1 or cylinder\$1)) and (rotat\$3 or rotation\$4 or rotary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 10:52
L10	28683	ozaki.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 08:18
L11	26	ozaki-atsufumi\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 08:19
L12	1	("1536245").URPN.	USPAT	OR	OFF	2007/12/18 08:52
L13	5	("0988319"   "1536245"   "3973526").PN. OR ("5722361").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 09:18
L14	1572	f02b075/00.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 10:28
L15	2	"20070137595"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 09:38
L16	6	f01c001/344.ipc. and f01c001/348.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 10:34

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L17	1021	f01c001/344.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 10:33
L18	2162671	(f01c001/344.ipc. or f01c001/348. ipc.) valve\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 10:34
L19	186	(f01c001/344.ipc. or f01c001/348. ipc.) and valve\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 15:54
L20	12	("2641195"   "3516768"   "4722652").PN. OR ("6015278"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 10:37
L21	1	1998-131240.NRAN.	DERWENT	OR	OFF	2007/12/18 10:49
L22	32	("418"/\$.ccls. or "417"/\$.ccls. or 123/200-249.ccls.) and ((valve\$1 near5 (slide or rotary)) with ((outer or external or exterior) near (rotor\$1 or cylinder\$1)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:10
L23	3760	f04c018/344.ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:11
L24	758	f04c018/344.ipc. and valve\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:43

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L25	19	f04c018/344.ipc. and (valve\$1 near3 rotor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:15
L26	17	f04c018/344.ipc. and valve\$1 and timing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:44
L27	4	f04c018/344.ipc. and (valve\$1 near5 timing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:44
L28	147613	f04c018/344.ipc. and valve\$1 (timing near5 (device or system))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:45
L29	0	f04c018/344.ipc. and valve\$1 and (timing near5 (device or system))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:45
L30	42	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and valve\$1 and (timing near5 (device or system))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 15:55
L31	19	("0682389"   "1875180"   "1982958"   "1988571"   "2062241"   "2088582"   "2414003"   "3695146").PN. OR ("5944493").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 14:08
L32	8	"3311094"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 15:12

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L33	1	patrono-vittorio\$.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/18 15:13
L34	6	(f01c001/344.ipc. or f01c001/348. ipc.) and radiator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 15:54
L35	20	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and valve\$1 and radiator and fins	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 15:55
S3	642	((inner or internal) near5 rotor) and ((outer or external ) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 06:48
S4	106	((inner or internal) near rotor) and ((outer or external ) near rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 17:16
S5	0	fr-1418535-a\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 16:34
S6	2	("3483932").URPN.	USPAT	OR	OFF	2007/03/12 16:43
S7	11	("3437079").URPN.	USPAT	OR	OFF	2007/03/12 16:43
S8	7	("2965288").URPN.	USPAT	OR	OFF	2007/03/12 16:45
S9	1	("2127968").URPN.	USPAT	OR	OFF	2007/03/12 16:47
S10	3	("2089593").URPN.	USPAT	OR	OFF	2007/03/12 16:48
S11	0	("1497741").URPN.	USPAT	OR	OFF	2007/03/12 16:49

## EAST Search History

S12	2	((inner or internal) near rotor) and ((outer or external ) near rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and ((equal) near5 speed\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 17:14
S13	55	123/209.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 17:17
S14	0	123/143.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 17:17
S15	762	123/143r.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 17:18
S16	235	123/243.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/12 17:18
S17	10	patrono.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 09:45
S18	1	2004-738063.NRAN.	DERWENT	OR	OFF	2007/03/13 07:12
S19	1	2004-738063.NRAN.	DERWENT	OR	OFF	2007/03/13 07:12
S20	659	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 07:23

## EAST Search History

S21	196	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (rotor\$1 near10 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 07:24
S22	10	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (rotor\$1 near10 (equal near3 speed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/18 12:46
S23	196	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (rotor\$1 near10 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 10:56
S24	33	((inner or internal) near rotor) and ((outer or external or orbit or orbital) near rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (rotor\$1 near10 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 09:55
S25	5	((inner or internal) near rotor) and ((outer or external or orbit or orbital) near rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (rotor\$1 near10 speed) and synchroniz\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 07:44
S26	12	("0743361"   "1867198"   "1890560"   "2574921"   "2684038"   "4936111").PN. OR ("5681153").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/13 07:45
S27	31	("0766410"   "1261111"   "1276372"   "1527685"   "1797905"   "2398313"   "2434546"   "3165093"   "3195372"   "3525216"   "3816031"   "4173438"   "4545204"   "4551080"   "4740142"   "4812111"   "4829769"   "4902209"   "5224850"   "5306127"   "5399077").PN. OR ("5674059").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/13 07:57
S28	1	("2127968").URPN.	USPAT	OR	OFF	2007/03/13 08:05

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S29	2	"5674059"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 10:23
S30	2	((inner or internal) near rotor) and ((outer or external or orbit or orbital) near rotor) and eccentric and (spring\$1 near5 (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))) and (rotor\$1 near10 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 09:56
S31	843	"418"/\$.ccls. and (vane\$1 near3 spring\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 10:26
S32	699	"418"/\$.ccls. and (vane\$1 near3 spring\$1) and rotor\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 10:25
S33	699	"418"/\$.ccls. and (vane\$1 near3 spring\$1) and rotor\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 10:26
S34	553	"418"/\$.ccls. and (vane\$1 near3 spring\$1) and rotor\$1 and seal\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 10:56
S35	27	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (rotor\$1 near10 speed) and (vane\$1 near3 spring\$1) and rotor\$1 and seal\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 10:57



## EAST Search History

S36	3	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (rotor\$1 near10 speed) and (vane\$1 near3 spring\$1) and rotor\$1 and seal\$3 and valve\$1 and (spark near plug\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:00
S37	3	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (rotor\$1 near10 speed) and (vane\$1 near3 spring\$1) and valve\$1 and (spark near plug\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 12:27
S38	64	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and valve\$1 and (spark near plug\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:00
S39	23	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and valve\$1 and (spark near plug\$1) and timing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:33
S40	12	((inner or internal) near rotor) and ((outer or external or orbit or orbital) near rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and valve\$1 and (spark near plug\$1) and timing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:07
S41	3	(fuel\$3 near10 ((inner or internal) near rotor)) and ((outer or external or orbit or orbital) near rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:17
S42	32	(pump near10 ((inner or internal) near rotor)) and ((outer or external or orbit or orbital) near rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:22

## EAST Search History

S43	0	((fuel\$3 near3 pump) near10 ((inner or internal) near rotor)) and ((outer or external or orbit or orbital) near rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:23
S44	0	((fuel\$3 near3 pump) near10 ((inner or internal) near rotor)) and ((outer or external or orbit or orbital) near rotor) and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:23
S45	0	((inject\$3 near3 pump) near10 ((inner or internal) near rotor)) and ((outer or external or orbit or orbital) near rotor) and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:24
S46	0	((inject\$3 near3 fuel\$3) near10 ((inner or internal) near rotor)) and ((outer or external or orbit or orbital) near rotor) and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:25
S47	8	((inject\$3 near3 fuel\$3) near10 ((inner or internal) near rotor)) and ((outer or external or orbit or orbital) near rotor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:25
S48	15	((inner or internal) near5 rotor) and ((outer or external or orbit or orbital) near5 rotor) and eccentric and (slid\$3 near5 (vane\$1 or blade\$1 or piston\$1)) and (fuel\$3 near5 inject\$3) and (fuel\$3 near5 pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/13 11:34
S49	1	2004-738063.NRAN.	DERWENT	OR	OFF	2007/12/16 08:57
S50	52461	((external or exterior or outer) near3 rotor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 08:57

## EAST Search History

S51	344	((external or exterior or outer) near3 rotor\$1) with timing )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 09:03
S52	41	((external or exterior or outer) near3 rotor\$1) with timing ) and (rotary near5 engine\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 09:20
S53	1	2003-754341.NRAN.	DERWENT	OR	OFF	2007/12/16 09:11
S54	203	((external or exterior or outer) near3 rotor\$1) with valv\$3) and (rotary near5 engine\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/16 09:21
S55	95	((inner or internal) near5 rotor) and (((outer or external ) near5 rotor) with ((intake or inlet or suction odr induction) near3 valve\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/17 16:55
S56	21	((inner or internal) near rotor) and (((outer or external ) near rotor) with ((intake or inlet or suction odr induction) near valve\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/17 16:58
S57	26	((outer or external ) near rotor) with ((intake or inlet or suction or induction) near valve\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/17 16:58